



STATE OF IOWA
MASTER AGREEMENT
Contract Declaration and Execution

MA# 005 TSB3315-08

EFFECTIVE BEGIN DATE: 05-15-2008
EXPIRATION DATE: 05-14-2009
PAGE: 1 of 3

VENDOR:

C J Cooper & Associates
3279 7th Ave Ste 100
Marion, IA 52302
USA

VENDOR CONTACT:

Lisa Edwards
PHONE: 319-377-5373 EXT:
EMAIL:

ISSUER:

JEANETTE CHUPP
PHONE: 515-281-6288
EMAIL: Jeanette.Chupp@iowa.gov

FOB FOB Dest, Freight Allowed

Contract For: Drug Test

Certified Targeted Small Business (TSB) Contract for the provision of Drug Testing to be provided on an as-needed basis under the authority of Iowa Code Section 18.6(8) and Administrative Rule 401-7.3(4). State Agencies may purchase goods and services from a certified Targeted Small Business (TSB) in an amount up to \$10,000 per purchase.

The parties agree to comply with the terms and conditions on the following attachments which are by this reference made a part of the Agreement.

Attachment 1: General Terms and Conditions for service/goods contracts posted at:
http://das.gse.iowa.gov/terms_goods.pdf, and http://das.gse.iowa.gov/terms_services.pdf
Attachment 2: State of Iowa Price List (3-pages, attached hereto)
Attachment 3: Drug Check "Product Listing" (4-pages attached hereto)
Attachment 4: "Drug Check Study" (4-pages attached hereto)

Service Contact: Paul K. Johnson, Vice President Manufacturing Operations
Office Phone: 507-526-3951 or FAX 507-526-2252

Administration Contact: Carolyn Cooper at E-Mail: cj@cjcooper.com or Phone 800-241-3926.

Web-Site: www.cjcooper.com or www.drugcheck.com

RENEWAL OPTIONS

FROM 05-15-2009 TO 05-14-2010
FROM 05-15-2010 TO 05-14-2011

AUTHORIZED DEPARTMENT
ALL

IN WITNESS WHEREOF, this Agreement has been executed by the parties hereto.

CONTRACTOR	STATE OF IOWA
CONTRACTOR'S NAME (If other than an individual, state whether a corp., partnership, etc.) C. J. COOPER & ASSOCIATES, INC	AGENCY NAME <i>Iowa Dept. of Administrative Services</i>
BY (Authorized Signature) <i>Carolyn J. Cooper</i> Date Signed <i>12/26/2008</i>	BY (Authorized Signature) <i>Jeanette Chupp</i> Date Signed <i>Dec. 24, 2008</i>
Printed Name and Title of Person Signing CAROLYN J. COOPER, CEO	Printed Name and Title of Person Signing <i>Jeanette Chupp</i>
Address 3279 7th Ave Ste 100 Marion, IA 52302	Address <i>Hoover Bldg, Des Moines, Iowa</i>



STATE OF IOWA
MASTER AGREEMENT
 Contract Declaration and Execution

EFFECTIVE BEGIN DATE: 05-15-2008
 EXPIRATION DATE: 05-14-2009
 PAGE: 2 of 3

LINE NO.	QUANTITY / SERVICE DATES	UNIT	COMMODITY / DESCRIPTION	UNIT COST / PRICE OF SERVICE
1	0.00000		94855842004	\$0.000000
				\$0.000000
			DRUG SCREEN, COMPREHENSIVE, URINE	
			DRUG SCREEN, COMPREHENSIVE, URINE	
			DrugCheck Brand, on-site urinalysis drug test kits which detect the presence of drug metabolites in urine within minutes.	
			Refer to the attached listing for test kit options and pricing.	
2	0.00000		1934835	\$0.000000
				\$0.000000
			DRUG SCREENING TEST KITS	
			DRUG SCREENING TEST KITS	
			DrugCheck Products	



STATE OF IOWA
MASTER AGREEMENT
Contract Declaration and Execution

EFFECTIVE BEGIN DATE: 05-15-2008
EXPIRATION DATE: 05-14-2009
PAGE: 3 of 3

TERMS AND CONDITIONS

Terms & Conditions Service

The parties agree to comply with the terms and conditions on the following web site which are by this reference made a part of the Agreement.

General Terms and Conditions for service contracts are posted at: http://das.gse.iowa.gov/terms_services.pdf

Terms & Conditions Goods

The parties agree to comply with the terms and conditions on the following web site which are by this reference made a part of the Agreement.

General Terms and Conditions for goods contracts are posted at: http://das.gse.iowa.gov/terms_goods.pdf



STATE OF IOWA PRICE SCHEDULE

(Department of Corrections)

Item#	Description	Price
<i>DrugCheck NxStep OnSite test cup (Round): The original fully integrated test cup</i>		
60400	AMP COC OPI THC	\$2.85
60410	COC MET OPI THC	\$2.85
60500	AMP COC MET OPI THC	\$3.00
60505	AMP COC OPI PCP THC	\$3.00
60525	AMP BZO COC MTD OPI 300	\$3.00
65515	BZO COC MET OPI THC	\$3.00
65500-4	AMP COC OPI MET THC + Adulterants	\$3.60
65505-4	AMP COC OPI PCP THC + Adulterants	\$3.60
65515-4	BZO COC MET OPI THC + Adulterants	\$3.60
65520-4	AMP BZO COC OPI THC + Adulterants	\$3.60
60500-A	AMP COC MET OPI THC + Alcohol	\$4.25
60505-A	AMP COC OPI PCP THC + Alcohol	\$4.25
60600	AMP BZO COC MET OPI THC	\$3.20
60610	AMP COC MET OPI PCP THC	\$3.20
60620	AMP COC MET OPI OXY THC	\$3.20
60623	AMP BZO COC OPI 300 MET THC	\$3.20
60630	AMP COC MDMA MET OPI THC	\$3.20
60640	BZO COC MET OPI 300 OXY THC	\$3.20
60600-A	AMP BZO COC MET OPI THC + Alcohol	\$4.45
60800	AMP BAR BZO COC MET OPI PCP THC	\$3.90
60800-4	AMP BAR BZO COC MET OPI PCP THC + Adulterants	\$4.50
60900	AMP BAR BZO COC MET OPI PCP TCA THC	\$4.60
60903	AMP BAR BZO COC MET OPI 300 PCP TCA THC	\$4.60
60913	AMP BAR BZO COC MTD OPI PCP TCA THC	\$4.60
60923	BAR BZO COC MET MTD OPI 300 OXY PPX THC	\$4.60
60925	AMP BAR BZO COC MET MTD OPI PCP THC	\$4.60
60925-A	AMP BAR BZO COC MET MTD OPI PCP THC + Alcohol	\$5.85
61020	AMP BAR BZO COC MET MTD OPI OXY PCP THC	\$5.00
61023	BAR BZO COC MDMA MET MTD OPI 300 OXY PPX THC	\$5.00
61202	AMP BAR BZO COC MDMA MET MTD OPI OXY PCP PPX THC	\$6.00
61203	AMP BAR BZO COC MDMA MET OPI300 OXY PCP PPX TCA THC	\$6.00



STATE OF IOWA PRICE SCHEDULE (Department of Corrections)

Item#	Description	Price
<i>DrugCheck NxScan OnSite test cup (Flat): Fully integrated test cup w/ donor management software included</i>		
70500	AMP COC MET OPI THC	\$3.25
70505	AMP COC OPI PCP THC	\$3.25
70500-3	AMP COC MET OPI THC + Adulterants	\$3.85
70500-A	AMP COC MET OPI THC + Alcohol	\$4.50
<hr/>		
70600	AMP BZO COC MET OPI THC	\$3.45
70610	AMP COC MET OPI PCP THC	\$3.45
70600-3	AMP BZO COC MET OPI THC + Adulterants	\$4.05
70610-3	AMP COC MET OPI PCP THC + Adulterants	\$4.05
<hr/>		
70805-3A	AMP BAR BZO COC MET MTD OPI THC + Adulterants & Alcohol	\$6.00
<hr/>		
70925	AMP BAR BZO COC MET MTD OPI PCP THC	\$4.60
<hr/>		
71020	AMP BAR BZO COC MET MTD OPI OXY PCP THC	\$5.00
71020-3	AMP BAR BZO COC MET MTD OPI OXY PCP THC + Adulterants	\$5.60
<hr/>		
71202	AMP BAR BZO COC MDMA MET MTD OPI OXY PCP PPX THC	\$6.00
71203	AMP BAR BZO COC MDMA MET OPI300 OXY PCP PPX TCA THC	\$6.00

The DrugCheck NxScan test cup is a fully integrated flat panel test cup that comes with a results management software option included. This web based program, the OMS (Online Management System) allows the user to scan an image of the drug test result from the NxScan cup and enter specific donor information into the system for a permanent record. This software is available at no additional cost to the user.



STATE OF IOWA PRICE SCHEDULE

(Department of Corrections)

Item#	Description	Price
<i>DrugCheck Dip Drug Tests</i>		
30100	MTD	\$.83
30110	AMP	\$.83
30111	OXY	\$.83
30120	MET	\$.83
30130	COC	\$.83
30140	THC	\$.83
30150	BAR	\$.83
30160	OPI 2000	\$.83
30163	OPI 300	\$.83
30170	BZO	\$.83
30180	PCP	\$.83
30190	MDMA	\$.83
30195	PPX	\$.83
<hr/>		
30200	COC THC	\$1.30
<hr/>		
30300	COC MET THC	\$1.45
30310	AMP COC THC	\$1.45
<hr/>		
30400	AMP COC OPI THC	\$1.80
30414	COC MET OPI300 THC	\$1.80
30430	AMP BZO COC THC	\$1.80
30450	BZO COC OPI THC	\$1.80
<hr/>		
30500	AMP COC MET OPI THC	\$2.25
30505	AMP COC OPI THC PCP	\$2.25
30520	AMP BZO COC OPI THC	\$2.25
<hr/>		
30600	AMP BZO COC MET OPI THC	\$2.75
30640	BZO COC MET OPI300 OXY THC	\$2.75
<hr/>		
30800	AMP BZO COC MET MTD OPI300 OXY THC	\$3.35
<hr/>		
31003	AMP BAR BZO COC MET MTD OPI300 PCP TCA THC	\$4.50
31004	AMP BAR BZO COC MDMA MET MTD OPI PCP THC	\$4.50
31005	AMP BAR BZO COC MDMA MET MTD OPI300 OXY THC	\$4.50

Item#	Description	Price
<i>GC/MS Confirmation services</i>		
	GC/MS confirmation of the DrugCheck onsite testing devices	\$15.00

* Collection cup w/ temp strip available for additional \$.25 per unit.
** Single Dips packed 50/box all other products 25/box and 200/case
*** Delivery 7-10 days after receipt of order, FOB destination



STATE OF IOWA PRICE SCHEDULE (Department of Corrections)

Item#	Description	Price
<i>DrugCheck NxStep OnSite test cup (Round): The original fully integrated test cup</i>		
60400	AMP COC OPI THC	\$2.85
60410	COC MET OPI THC	\$2.85
60500	AMP COC MET OPI THC	\$3.00
60505	AMP COC OPI PCP THC	\$3.00
60525	AMP BZO COC MTD OPI 300	\$3.00
65515	BZO COC MET OPI THC	\$3.00
65500-4	AMP COC OPI MET THC + Adulterants	\$3.60
65505-4	AMP COC OPI PCP THC + Adulterants	\$3.60
65515-4	BZO COC MET OPI THC + Adulterants	\$3.60
65520-4	AMP BZO COC OPI THC + Adulterants	\$3.60
60500-A	AMP COC MET OPI THC + Alcohol	\$4.25
60505-A	AMP COC OPI PCP THC + Alcohol	\$4.25
60600	AMP BZO COC MET OPI THC	\$3.20
60610	AMP COC MET OPI PCP THC	\$3.20
60620	AMP COC MET OPI OXY THC	\$3.20
60623	AMP BZO COC OPI 300 MET THC	\$3.20
60630	AMP COC MDMA MET OPI THC	\$3.20
60640	BZO COC MET OPI 300 OXY THC	\$3.20
60600-A	AMP BZO COC MET OPI THC + Alcohol	\$4.45
60800	AMP BAR BZO COC MET OPI PCP THC	\$3.90
60800-4	AMP BAR BZO COC MET OPI PCP THC + Adulterants	\$4.50
60900	AMP BAR BZO COC MET OPI PCP TCA THC	\$4.60
60903	AMP BAR BZO COC MET OPI 300 PCP TCA THC	\$4.60
60913	AMP BAR BZO COC MTD OPI PCP TCA THC	\$4.60
60923	BAR BZO COC MET MTD OPI 300 OXY PPX THC	\$4.60
60925	AMP BAR BZO COC MET MTD OPI PCP THC	\$4.60
60925-A	AMP BAR BZO COC MET MTD OPI PCP THC + Alcohol	\$5.85
61020	AMP BAR BZO COC MET MTD OPI OXY PCP THC	\$5.00
61023	BAR BZO COC MDMA MET MTD OPI 300 OXY PPX THC	\$5.00
61202	AMP BAR BZO COC MDMA MET MTD OPI OXY PCP PPX THC	\$6.00
61203	AMP BAR BZO COC MDMA MET OPI300 OXY PCP PPX TCA THC	\$6.00



STATE OF IOWA PRICE SCHEDULE

(Department of Corrections)

Item#	Description	Price
<i>DrugCheck NxScan OnSite test cup (Flat): Fully integrated test cup w/ donor management software included</i>		
70500	AMP COC MET OPI THC	\$3.25
70505	AMP COC OPI PCP THC	\$3.25
70500-3	AMP COC MET OPI THC + Adulterants	\$3.85
70500-A	AMP COC MET OPI THC + Alcohol	\$4.50
<hr/>		
70600	AMP BZO COC MET OPI THC	\$3.45
70610	AMP COC MET OPI PCP THC	\$3.45
70600-3	AMP BZO COC MET OPI THC + Adulterants	\$4.05
70610-3	AMP COC MET OPI PCP THC + Adulterants	\$4.05
<hr/>		
70805-3A	AMP BAR BZO COC MET MTD OPI THC +Adulterants & Alcohol	\$6.00
<hr/>		
70925	AMP BAR BZO COC MET MTD OPI PCP THC	\$4.60
<hr/>		
71020	AMP BAR BZO COC MET MTD OPI OXY PCP THC	\$5.00
71020-3	AMP BAR BZO COC MET MTD OPI OXY PCP THC + Adulterants	\$5.60
<hr/>		
71202	AMP BAR BZO COC MDMA MET MTD OPI OXY PCP PPX THC	\$6.00
71203	AMP BAR BZO COC MDMA MET OPI300 OXY PCP PPX TCA THC	\$6.00

The DrugCheck NxScan test cup is a fully integrated flat panel test cup that comes with a results management software option included. This web based program, the OMS (Online Management System) allows the user to scan an image of the drug test result from the NxScan cup and enter specific donor information into the system for a permanent record. This software is available at no additional cost to the user.



STATE OF IOWA PRICE SCHEDULE

(Department of Corrections)

Item#	Description	Price
<i>DrugCheck Dip Drug Tests</i>		
30100	MTD	\$.83
30110	AMP	\$.83
30111	OXY	\$.83
30120	MET	\$.83
30130	COC	\$.83
30140	THC	\$.83
30150	BAR	\$.83
30160	OPI 2000	\$.83
30163	OPI 300	\$.83
30170	BZO	\$.83
30180	PCP	\$.83
30190	MDMA	\$.83
30195	PPX	\$.83
<hr/>		
30200	COC THC	\$1.30
<hr/>		
30300	COC MET THC	\$1.45
30310	AMP COC THC	\$1.45
<hr/>		
30400	AMP COC OPI THC	\$1.80
30414	COC MET OPI300 THC	\$1.80
30430	AMP BZO COC THC	\$1.80
30450	BZO COC OPI THC	\$1.80
<hr/>		
30500	AMP COC MET OPI THC	\$2.25
30505	AMP COC OPI THC PCP	\$2.25
30520	AMP BZO COC OPI THC	\$2.25
<hr/>		
30600	AMP BZO COC MET OPI THC	\$2.75
30640	BZO COC MET OPI300 OXY THC	\$2.75
<hr/>		
30800	AMP BZO COC MET MTD OPI300 OXY THC	\$3.35
<hr/>		
31003	AMP BAR BZO COC MET MTD OPI300 PCP TCA THC	\$4.50
31004	AMP BAR BZO COC MDMA MET MTD OPI PCP THC	\$4.50
31005	AMP BAR BZO COC MDMA MET MTD OPI300 OXY THC	\$4.50
<hr/>		
Item#	Description	Price
<i>GC/MS Confirmation services</i>		
	GC/MS confirmation of the DrugCheck onsite testing devices	\$15.00

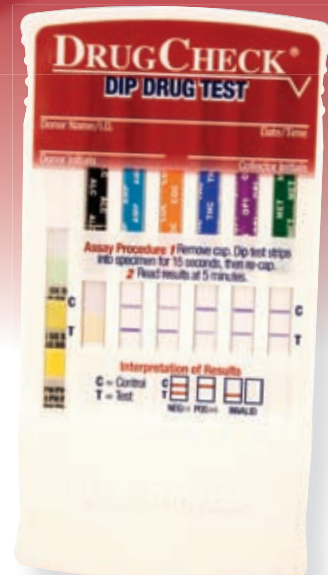
* Collection cup w/ temp strip available for additional \$.25 per unit.

** Single Dips packed 50/box all other products 25/box and 200/case

*** Delivery 7-10 days after receipt of order, FOB destination

Independent studies verify the accuracy of DrugCheck®

As one of the foremost providers of drug testing analysis, Kroll Laboratory Specialists' studies set the standard for test evaluation through the collection of multiple samples and comprehensive statistical data. Express Diagnostics, Int'l Inc. recently commissioned an independent study by Kroll to determine the specificity and accuracy duration of DrugCheck® test devices. The results are as follows:



SPECIFICITY STUDIES

Introduction

The purpose is to perform specificity studies on DrugCheck® NxStep OnSite test kits utilizing lot numbers 801122706 (expiration June 2008) and 610010307 (expiration July 2008). Lot number 801122706 tests for Benzodiazepines (BNZ), Opiates (OPI 300), Methadone (MDN), Methylene dioxy-methamphetamine (MDMA), Oxycodone (OXY), Propoxyphene (PPX), and Tricyclic antidepressants (TCA). Lot number 610010307 tests for Amphetamines (AMPHS), Methamphetamine (MAMP), Benzoylgonine (BE), Tetrahydrocannabinoids (THC), and Phencyclidine (PCP). The testing was performed between 1/9/07 and 1/25/07 at Kroll Laboratory in Gretna, LA.

Materials and Methods

In the specificity studies, the test kits were exposed to a minimum of twenty positive patient samples at various levels based on GC/MS. The cups were then read as soon as readable results were possible. All samples were initially screened by CEDIA or DRI immuno assay and confirmed by Gas Chromatography/Mass Spectroscopy. The chemist performing the test was trained in the interpretation of on-site test results. All questionable samples were subjected to a second screening analysis with either CEDIA or DRI reagents.

DATA

OPI300 Specificity Lot 801122706

Sample	Confirmed	Result
1. 2131143	Mor 574	Positive OPI
2. 2130925	Mor 712	Positive OPI
3. 2131295	Mor 565	Positive OPI
4. 2139146	Mor 754	Positive OPI
5. 2178624	Mor 639	Positive OPI
6. 2206217	Mor 547	Positive OPI
7. 2206218	Mor 763	Positive OPI
8. 2131869	Mor 249	Negative OPI
9. 2152617	Mor 242	Negative OPI
10. 2131044	Cod 383	Positive OPI
11. 2131115	Cod 4921	Positive OPI
12. 2131147	Mor 1579	Positive OPI
13. 2131422	Mor 57499	Positive OPI
14. 2130814	Oxy 2124	Negative OPI
15. 2127627	Hyc 1202	Positive OPI
16. 2127924	Cod 2566	Positive OPI
17. 2146421	Oxy 565	Negative OPI
18. 2146980	Mor 2243	Positive OPI
19. 2131242	Hyc 963	Positive OPI
20. 2131862	Mor 3288	Positive OPI
21. 2131125	Cod 4921	Positive OPI
22. 2130742	Cod >5000	Positive OPI
23. 2134827	Cod 1035	Positive OPI
24. 2132263	Cod 92480	Positive OPI

OPI2000 Specificity Lot 610010307

	Sample	Screening	Confirmed	Result
1	1876939	>10,000 165	Cod = 323 Mor = 5520 THC = 93	Positive Positive THC
2	1877370	5205	Mor = 3562	Positive
3	1877553	>10,000	Cod = 2669 Mor = 620	Positive
4	1877642	3680	Mor = 3562	Positive
5	1877657	>10,000	Mor = 473	Positive
6	1888935	2525	Cod = 275 Mor = 217	Positive
7	1890188	>40,000	Mor = 69001	Positive
8	1891172	5383	Mor = 2102	Positive
9	1891703	31530	Mor = 12523	Positive
10	1892517	4071	Mor = 2267	Positive
11	1892608	6230	Mor = 6960	Positive
12	1893325	>10,000	Hycod = 4631 Hymr = 1167	Positive
13	1901302	5780 180	Cod = 400 THC = 77	Positive Positive THC
14	1905378	5035	Mor = 3778	Positive
15	1905386	13200	Mor = 5267	Positive
16	1845505	22925	Mor = 7413	Positive
17	1874604	>10,000	Hymr = 2496	Positive
18	1906882	>10,000 >500 603	Cod = 1181 Mor = 340 THC = >2000 Be = 429	Positive Positive THC Positive Be

PROP PPX PPX PPX PPX
Specificity Lot 801122706

Sample	Confirmed	Result
1. 1844377	1402	Positive
2. 1844904	7487	Positive
3. 1845807	4352	Positive
4. 1903483	7913	Positive
5. 1903918	2591	Positive
6. 1903947	3793	Positive
7. 2019791	935	Positive
8. 1901595	5821	Positive
9. 1907519	1532	Positive
10. 1907873	>10000	Positive
11. 1911610	3590	Positive
12. 1915317	11676	Positive
13. 2102920	>1000	Positive
14. 2014312	>1000	Positive
15. 2013455	5386	Positive
16. 2014458	6003	Positive
17. 2018932	4126	Positive
18. 2020309	4106	Positive
19. 2020451	7133	Positive
20. 2021727	>10000	Positive

Oxycodone OXY OXY OXY OXY
Specificity Lot 801122706

Sample	Conformation	Result
1. 2130814	2124	Positive
2. 2146421	565	Positive, F
3. 2146586	273	Positive, F
4. 2151562	4958	Positive
5. 2151995	2028	Positive
6. 2152443	4835	Positive
7. 2152536	3584	Positive
8. 2151446	513	Positive
9. 2152198	551	Positive, F
10. 2123839	8189	Positive
11. 2124604	2264	Positive
12. 2156988	470	Positive
13. 2161794	2782	Positive
14. 2160995	910	Positive, F
15. 2173837	1764	Positive
16. 2173946	583	Positive
17. 2174358	2965	Positive
18. 2190018	3919	Positive
19. 2190849	1395	Positive
20. 2191343	3678	Positive

MAMP MET MET MET MET
Specificity Lot 610010307

	Sample	Screen- ing	Confirmed	Result
1	1891978	2830	Amp=>200 Mamp=1875	Positive
2	1901691	2805	Amp=260 Mamp=1799	Positive
3	1893055	4985	Amp=1163 Mamp=2827	Positive
4	1877191	11700	Amp=20588 Mamp=1284	Positive
5	1891174	1051	Amp>200 Mamp=598	Positive
6	203292	>25000	Amp=2794 Mamp=7842	Positive
7	203299	1718	Amp=582 Mamp=521	Positive
8	1890564	2223	Amp=365 Mamp=1021	Positive
9	1906326	1599	Amp=357 Mamp=783	Positive
10	1891157	3615 >500	Amp=768 Mamp=3128 THC=492	Positive Positive THC
11	1906355	2820	Amp=813 Mamp=1649	Positive
12	1906619	>25000	Amp=19802 Mamp= >100000	Positive
13	1906785	3006	Amp=284 Mamp=1489	Positive
14	1906819	2350	Amp=1072 Mamp=1546	Positive
15	1891708	2130	Amp=853 Mamp=1222	Positive
16	2049376	4565	Amp=1085 Mamp=1277	Positive
17	2049837	3180	Amp=342 Mamp=1264	Positive
18	2049880	2326	Amp=433 Mamp=975	Positive
19	2050012	21085	Amp=2231 Mamp= >10000	Positive
20	2050134	1291 492	Amp>200 Mamp=853 Be=492	Positive Positive Be
21	2050222	1752	Amp=507 Mamp=1246	Positive
22	1904495	>25000	Amp=23931 Mamp= >100000	Positive

MDN MTD MTD MTD MTD
Specificity Lot 801122706

Sample	Confirmed	Confirmed	Result
1. 1844644	EDDP >40000	MDN 20378	Positive
2. 2014143		MDN >500	Positive
3. 1890400	EDDP 9931	MDN 3853	Positive
4. 1890836	EDDP 325	MDN >500	Positive
5. 1890845	EDDP 10679	MDN >10000	Positive
6. 1891127	EDDP 4394	MDN 6783	Positive
7. 1906815	EDDP 7021	MDN 6177	Positive
8. 1907008	EDDP 798	MDN >500	Positive
9. 1907566		MDN >500	Positive
10. 1907626	EDDP >800	MDN >500	Positive
11. 1915791	EDDP 10321	MDN >10000	Positive
12. 1916073	EDDP 527	MDN 493	Positive
13. 1916111	EDDP 12121	MDN >10000	Positive
14. 1916274	EDDP 389	MDN >500	Positive
15. 1916342	EDDP 7611	MDN >500	Positive
16. 1917098		MDN >500	Positive
17. 2012686	EDDP >16000	MDN >10000	Positive
18. 3007597	EDDP 1520	MDN 313	Positive
19. 2019557	EDDP >16000	MDN >10000	Positive
20. 2018765	EDDP >800	MDN >500	Positive

BENZ BZO BZO BZO BZO
Specificity Lot 801122706

Sample	Conformation	Confor- mation	Result	Re- screen
1. 201943	APAM 374		Positive	
2. 2011942	NPAM 332		Positive	
3. 2011938	APAM 520		Positive	
4. 201939	OPAM 173		Negative	<Cut Off
5. 201960	OPAM 563	TPAM 677	Positive	
6. 201949	APAM 314		Positive	
7. 201947	OPAM 563		Negative	889**
8. 201946	OPAM >50000		Positive	
9. 1844602	APAM >1000		Positive	
10. 1844946	OPAM 449		Positive	
11. 201953	NPAM 195	OPAM 569	Positive	
12. 1891155	TPAM 651		Positive	
13. 1876471	OPAM >1000		Positive	
14. 1876556	APAM 6334		Positive	
15. 201954	OPAM 449	TPAM 807	Positive	
16. 1840134	APAM 309		Positive	
17. 1873942	APAM 451		Positive	
18. 3470267	OPAM 303		Positive	
19. 3472351	OPAM 842	TPAM >2500	Negative	973**
20. 3471559	OPAM 735	TPAM 311	Positive	

** Both of these samples are being re-analyzed
by GC/MS to determine if degradation of the
Benzodiazepines resulted in the negative reading
with the on-site testing device.

AMP
Specificity Lot 610010307

	Sample	Screening	Confirmed	Result
1	1405001	2300	Amp = 1498	Positive
2	1889458	8215	Amp = 9108	Positive
3	1890741	13715	Amp = >10000	Positive
4	1891688	1340	Amp = 1533	Positive
5	1891689	8935	Amp = 9220	Positive
6	1844762	1552	Amp = 1900	Positive
7	1844918	2494	Amp = 4172	Positive
8	2052790	1324	Amp = 1647	Positive
9	2052814	2545	Amp = 4394	Positive
10	2046113	3512	Amp = 6404	Positive
11	2046220	1345	Amp = 2169	Positive
12	1903882	>100000	Amp = 7545	Positive
13	1904374	1970	Amp = 2340	Positive
14	1905151	3149	Amp = 5888	Positive
15	1875438	2162	Amp = 3577	Positive
16	1845264	4715	Amp = 6927	Positive
17	1845427	15025	Amp = >10000	Positive
18	1872439	3140	Amp = 4694	Positive
19	1874508	1524	Amp = 2354	Positive
20	1874516	4006	Amp = 9682	Positive

THC
Specificity Lot 610010307

	Sample	Screening	Confirmed	Result
1	203067	61	THC = 31	Positive
2	203063	135	THC = 81	Positive
3	2046415	84	THC = 39	Positive
4	2046430	58	THC = 34	Positive
5	2044944	85	THC = 39	Positive
6	2045336	135	THC = 66	Positive
7	2045513	93	THC = 74	Positive
8	2045514	63	THC = 36	Positive
9	2045518	58	THC = 34	Positive
10	2045534	73	THC = 33	Positive
11	2045571	>500	THC = 753	Positive
12	2045703	92	THC = 148	Positive
13	2046111	87	THC = 43	Positive
14	2045706	91	THC = 119	Positive
15	204241	42	THC = 22	Positive
16	204399	75	THC = 22	Positive
17	204259	180	THC = 89	Positive
18	1838837	>500	THC = 839	Positive
19	2046141	84	THC = 45	Positive
20	2046686	52	THC = 32	Positive

Be
Specificity Lot 610010307

	Sample	Screening	Confirmed	Result
1	2045475	317	Be = 243	Positive
2	2045507	923	Be = 854	Positive
3	2045513	374	Be = 285	Positive
4	2045591	744	Be = 679	Positive
5	2045385	510	Be = 394	Positive
6	2045202	605	Be = 603	Positive
7	2044944	>25000	Be = 161932	Positive
8	1844461	327	Be = 245	Positive
9	1844476	645	Be = 449	Positive
10	1844642	447	Be = 476	Positive
11	1844643	330	Be = 384	Positive
12	1844461	327	Be = 245	Positive
13	1844720	590	Be = 555	Positive
14	1844787	821	Be = 725	Positive
15	1845249	431	Be = 292	Positive
16	2043382	337	Be = 376	Positive
17	1933567	897	Be = 700	Positive
18	1844127	732	Be = 734	Positive
19	1844130	1047	Be = 1001	Positive
20	1844248	386	Be = 394	Positive

PCP
Specificity Lot 610010307

	Sample	Screening	Confirmed	Result
1	216652	355 380	PCP = 373 THC = 163	Positive
2	3229701	59 >500	PCP = 51 THC = 317	Positive
3	3215326	236 87	PCP = 324 THC = 41	Positive
4	3224207	405 455	PCP = 359 THC = 272	Positive
5	3224898	188 215 >25000	PCP = 201 THC = 110 Be = 99508	Positive
6	3218906	226	235	Positive
7	3216453	>750	>1000	Positive
8	3220640	61	48	Positive
9	3220377	53	53	Positive
10	3215184	64	56	Positive
11	3208690	64	49	Positive
12	3222740	52	47	Positive
13	PCP 1	522	533	Positive
14	PCP 2	258 >3000	PCP = 229 Be = >3000	Positive
15	PCP 3	11884 1380	PCP = 97 THC = 1381	Positive
16	PCP 4	229	PCP = 200	Positive
17	PCP 5	54 742	PCP = 45 Be = 661	Positive
18	PCP 6	125	PCP = 101	Positive

Discussion

The specificity trials for Propoxyphene and Methadone returned positives above the stated cutoff across a wide range. The results were easy to read.

The specificity trial for Oxycodone returned positives above the stated cutoff. A few of the samples approaching the stated cutoff of 100 ng/mL appeared to have a very faint line present in the negative line area. Upon casual inspection the samples appeared positive, but upon close scrutiny, the samples may appear to test negative. The samples are designated with an "F" in the result column.

The specificity trial for BENZ returned positives on all of the samples above the stated cutoff off 300 ng/mL except for two samples. The two samples that returned negative results were rescreened. The rescreen results were above the stated cutoff for both samples. Both of the negative samples > cut off are being re-analyzed by GC/MS to determine if degradation created the negative on-site test result. On the positive results, oxazepam and alpha-hydroxyalprazolam very near the cutoff returned good positives. The third negative result confirmed positive, but was under the stated cutoff, so a negative result was expected from this sample.

The kits performed at an overall accuracy rate of 98.2 percent. The performance on THC, Cocaine, PCP, Amphetamine, Methamphetamine and OPI2000 was 100 percent. Several samples were run below the stated cut off and did return the expected negative result. The kits were easy to handle and interpret.



Pat Pizzo, Director of Toxicology
Kroll Laboratory Specialists

TIMED TRIALS

Introduction The purpose is to perform time trials on DrugCheck® NxStep OnSite test kits utilizing lot numbers 801122706 (expiration June 2008) and 610010307 (expiration July 2008). Lot number 801122706 tests for Benzodiazepines (BNZ), Opiates (OPI 300), Methadone (MDN), Methylene dioxy-methamphetamine (MDMA), Oxycodone (OXY), Propoxyphene (PPX), and Tricyclic antidepressants (TCA). Lot number 610010307 tests for Amphetamines (AMPHS), Methamphetamine (MAMP), Benzoyllecgonine (BE), Tetrahydrocannabinoids (THC), and Phencyclidine (PCP). The testing was performed between 1/9/07 and 1/25/07 at Kroll Laboratory in Gretna, LA.

Materials and Methods In the time trials, six to ten test kits were exposed to positive patient urine at a level approximately two times the stated cutoff based on GC/MS results, certified negative urine and actual donor samples were used for the study. All samples were initially screened by CEDIA or DRI immuno assay and confirmed by Gas Chromatography/Mass Spectroscopy. The chemist performing the test was trained in the interpretation of on-site test results. All questionable samples were subjected to a second screening analysis with either CEDIA or DRI reagents.

DATA

Negative timed study lot 801122706

Sample	5 minutes	30 minutes
1. Negative Lot# 88	Negative	Negative
2. Negative Lot# 88	Negative	Negative
3. Negative Lot# 88	Negative	Negative
4. Negative Lot# 88	Negative	Negative
5. Negative Lot# 88	Negative	Negative
6. Negative Lot# 88	Negative	Negative
7. Negative Lot# 88	Negative	Negative
8. Negative Lot# 88	Negative	Negative
9. Negative Lot# 88	Negative	Negative
10. Negative Lot# 88	Negative	Negative

Negative timed study lot 610010307

Sample	5 minutes	30 minutes
1. Negative Lot# 88	Negative	Negative
2. Negative Lot# 88	Negative	Negative
3. Negative Lot# 88	Negative	Negative
4. Negative Lot# 88	Negative	Negative
5. Negative Lot# 88	Negative	Negative
6. Negative Lot# 88	Negative	Negative
7. Negative Lot# 88	Negative	Negative
8. Negative Lot# 88	Negative	Negative
9. Negative Lot# 88	Negative	Negative
10. Negative Lot# 88	Negative	Negative

Discussion

Both lots performed as expected in the timed trials with the negative lot.

The time trials for THC, BE, AMPHS, and MAMP with lot 610010307, tested as expected. The results

THC timed study lot 610010307

Sample	Confirmation	5 minutes	30 minutes
1. THC 2132197	87	Positive	Positive
2. THC 2132203	86	Positive	Positive
3. THC 2131130	72	Positive	Positive
4. THC 2134930	74	Positive	Positive
5. THC 2133127	76	Positive	Positive
6. THC 2132422	79	Positive	Positive
7. THC 2131971	83	Positive	Positive

THC timed study lot 801122706

Sample	Confirmation	5 minutes	30 minutes
1. THC 2132197	87	negative	negative
2. THC 2132203	86	negative	negative
3. THC 2131130	72	negative	negative
4. THC 2134930	74	negative	negative
5. THC 2133127	76	negative	negative
6. THC 2132422	79	negative	negative
7. THC 2131971	83	negative	negative

Be timed study lot 610010307

Sample	Confirmation	5 minutes	30 Minutes
1. BE 2128513	837	Positive	Positive
2. BE 2131153	621	Positive	Positive
3. BE 2130813	559	Positive	Positive
4. BE 2132143	649	Positive	Positive
5. BE 2132215	542	Positive	Positive
6. BE 2135863	594	Positive	Positive
7. BE 2135616	584	Positive	Positive

Be timed study lot 801122706

Sample	Confirmation	5 minutes	30 Minutes
1. BE 2128513	837	negative	negative
2. BE 2131153	621	negative	negative
3. BE 2130813	559	negative	negative
4. BE 2132143	649	negative	negative
5. BE 2132215	542	negative	negative
6. BE 2135863	594	negative	negative
7. BE 2135616	584	negative	negative

were easy to read and did not change over time. The time trial for lot 801122706 tested as expected. The results were easy to read and did not change over time. The kits performed at an overall accuracy rate of 100% at both 5 and 30 minutes.

AMPHS timed study lot 610010307

Sample	Confirmation	5 Minutes	30 Minutes
1. AMPHS 2129583	2453	Positive	Positive
2. AMPHS 2131827	2417	Positive	Positive
3. AMPHS 2133282	2548	Positive	Positive
4. AMPHS 2134385	2029	Positive	Positive
5. AMPHS 2131994	2056	Positive	Positive
6. AMPHS 2148944	1933	Positive	Positive
7. AMPHS 2132172	2719	Positive	Positive

AMPHS timed study lot 801122706

Sample	Confirmation	5 Minutes	30 Minutes
1. AMPHS 2129583	amp 2453	negative	negative
2. AMPHS 2131827	amp 2417	negative	negative
3. AMPHS 2133282	amp 2548	negative	negative
4. AMPHS 2134385	amp 2029	negative	negative
5. AMPHS 2131994	amp 2056	negative	negative
6. AMPHS 2148944	amp 1933	negative	negative
7. AMPHS 2132172	amp 2719	negative	negative

MAMP timed study 610010307

Sample	Confirmation	5 minutes	30 Minutes
1. MAMP 2134918	2353	Positive	Positive
2. MAMP 2135563	2293	Positive	Positive
3. MAMP 2151242	1903	Positive	Positive
4. MAMP 2132037	1491	Positive	Positive
5. MAMP 2153642	5043	Positive	Positive
6. MAMP 2131870	1132	Positive	Positive

MAMP timed study lot 801122706

Sample	Confirmation	5 minutes	30 Minutes
1. MAMP 2134918	mamp 2353	negative	negative
2. MAMP 2135563	mamp 2293	negative	negative
3. MAMP 2151242	mamp 1903	negative	negative
4. MAMP 2132037	mamp 1491	negative	negative
5. MAMP 2153642	mamp 5043	negative	negative
6. MAMP 3426136	mamp 1974	negative	negative

OPI300 timed study lot 801122706

Sample	Confirmation	5 Minutes	30 Minutes
1. 2131143	Mor 574	Positive OPI	Positive OPI
2. 2130925	Mor 712	Positive OPI	Positive OPI
3. 2131295	Mor 565	Positive OPI	Positive OPI
4. 2139146	Mor 754	Positive OPI	Positive OPI
5. 2178624	Mor 639	Positive OPI	Positive OPI
6. 2206217	Mor 547	Positive OPI	Positive OPI
7. 2206218	Mor 763	Positive OPI	Positive OPI


Pat Pizzo, Director of Toxicology,
Kroll Laboratory Specialists

From the leader in onsite drug testing

NEW

Copy/Scan Results
for Permanent
Record



NxScan OnSite

- Simultaneous detection of up to 14 drugs, adulterants and/or alcohol
- Lays flat to photocopy or scan results for permanent record
- Unbreakable cup surface
- Tamper-proof strip insert



DRUGCHECK®

- ✓ Results in 5 minutes
- ✓ One drug per test strip
- ✓ Easy interpretation and better sensitivity
- ✓ Lab accuracy
- ✓ FDA cleared
- ✓ Made in the U.S.A.

Available with alcohol and/or adulterants (Specific Gravity, pH, Oxidants)

Dip Drug Test



- Simultaneous detection of up to 14 drugs, adulterants and/or alcohol
- Photocopy or scan results for permanent record
- Flood-proof

NEW

14-panel dip with
flood-proof label

Available with alcohol and/or adulterants (Specific Gravity, pH, Oxidants)

NxStep OnSite



- Simultaneous detection of up to 15 drugs, adulterants and/or alcohol



Available with alcohol and/or adulterants (Nitrites, Specific Gravity, pH, Creatinine)

AMP	AMP	Amphetamine	1000 ng/ml
BAR	BAR	Barbiturate	300 ng/ml
BZO	BZO	Benzodiazepine	300 ng/ml
BUP	BUP	Buprenorphine	10 ng/ml
COC	COC	Cocaine	300 ng/ml

MA	MDM	Ecstasy	500 ng/ml
THC	THC	Marijuana	50 ng/ml
MET	MET	Methamphetamine	1000 ng/ml
MTD	MTD	Methadone	300 ng/ml
OPI	OPI	Opiates	300/2000 ng/ml

OXY	OXY	Oxycodone	100 ng/ml
PPX	PPX	Propoxyphene	300 ng/ml
TCA	TCA	Tricyclic Antidepressants	1000 ng/ml
PCP	PCP	Phencyclidine (PCP)	25 ng/ml
ALC	ALC	Alcohol	

Preparation, Specimen Collection, Test Procedure, and Interpretation of Results

Collector/administrator should be trained on the procedures for operating the tests. Do not break the seal of the protective pouch until ready to begin testing. Visually inspect the foil package to ensure it has not been compromised before beginning the test. If the package is not intact, the integrity of the test cup or dip may be compromised.

Fresh urine specimens should be collected directly into the cup (NxScan or NxStep, or collection cup for the Dip Test) and do not require any special handling or pre-treatment.

DRUGCHECK® test cups employ a temperature strip to validate that the urine is a freshly-voided specimen. This device should be checked immediately after collection.

NOTE: Urine specimens can be transferred from a urine collection container into **DRUGCHECK®** test cups, if necessary.

Procedure

1. Have available for use a Chain of Custody form (COC) or Test Results Record template.
2. Require the donor to present a photo identification.
3. Ask donor to remove any unnecessary outer clothing and empty all pockets.
4. Keep all backpacks and purses out of the restroom. Insure that all backpacks, wallets and purses are secured, preferably in a locked cabinet. If using a lockable cabinet or container, make sure that the donor is given the key.
5. Secure the collection site (restroom).

Turn off water sources (sink faucets), ensure blue toilet water, inspect site for and remove cleaners

and other substances, secure toilet tank top or blue tank water.

6. Tear open the foil pouch and remove the test.
7. Issue a cup (NxScan, NxStep, or collection) to the individual to be tested. Instruct the donor not to flush the toilet or turn the water on and to open the door when they are done.
8. Have donor urinate directly into the cup. Ensure that the specimen has a volume of at least 30 mL (indicated on NxScan and NxStep cup labels).
9. Check temperature (normal range of 90° to 100°F or 32° to 38°C) and observe specimen for foreign material and/or discoloration.
10. **DIP TEST:** Remove cap. Dip test strips into specimen for 15 seconds.

NXSCAN AND NXSTEP: Pull privacy label.

11. Read drug test strip results at 5 minutes, adulterants at 1 minute, and alcohol strips at 2 minutes. Have donor and administrator sign and date the label.

DIP TEST: Skip to step 14.

12. **NXSCAN AND NXSTEP:** Secure container by tightening lid as far as it will turn, apply security seal and have donor/professional both sign and date seal, as well as initial and date the label.

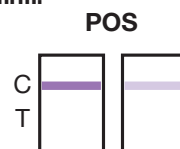
NXSTEP: Skip to step 15.

13. **NXSCAN:** Ensure that lid is firmly tightened.
14. With Test Results Record template on copier or scanner, place NxScan or Dip face down in the Results Window opening in the template (optional).
14. Copy or scan results using Test Results Record template (optional).
15. Fill out Test Results Record with complete donor and test information.

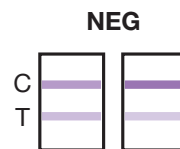
Drug Test Results

Presumptive Positive and Confirm:

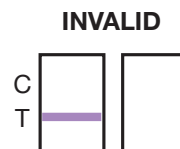
One colored line only visible in each Control Zone. No colored line whatsoever appears in the Test Zone, indicating a presumptive positive result for the corresponding drug of that specific Test Zone. Send urine specimen to a certified laboratory for confirmation.



Negative: Two colored lines visible in each Control Zone and in the Test Zone, indicating that the concentration of the drug is below the detection limit of the test or the drug is not present.



Retest: No Lines - If a colored line is not visible in the Control Zone, the test is invalid. Another test should be run to re-evaluate the specimen. Each strip in the **DRUGCHECK®** Test Cup or Dip is read and functions independently.

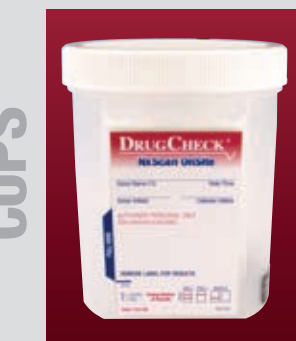


An invalid result on one test strip does not invalidate other results derived from the same device.

NOTE: There is no meaning attributed to line color intensity or width. Any evidence of a line should be considered a line. In order to prevent any incorrect results, the drug test results should not be interpreted after 10 minutes; adulterant and alcohol results not after 2 minutes.

If confirmation is required, secure specimen in appropriate shipping container and send to a confirmation lab with signed COC.

CUPS



- 1 Collect specimen into NxScan or NxStep cup.



- 2 Peel the privacy label.



- 3 Read results at 5 minutes.

4



Firmly tighten cup lid to avoid leakage (NxScan). Copy or scan results for permanent record (NxScan and Dip Test).

DIP



- 5 Dip device into collected urine for 15 seconds.

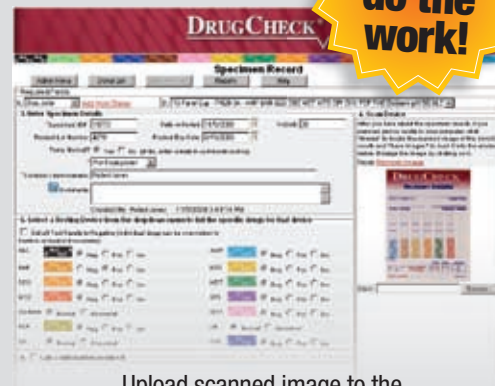


- 6 Replace cap.



- 7 Read results at 5 minutes.

5



Upload scanned image to the DrugCheck® Online Management System to simplify record-keeping.

Let OMS do the work!

Facts About Urine Alcohol

Alcohol Urine

Upon the ingestion of alcohol into the body, absorption occurs directly from the proximal small intestine and is distributed throughout the entire fluid space of the body. Once equilibrium has been reached, alcohol will be found in all tissues of the body in proportion to their water content. Urine is the most practical specimen for alcohol testing in the workplace, specifically when the purpose of testing is to demonstrate that alcohol consumption has occurred. Peak urine alcohol levels are reached 45 to 60 minutes after alcohol ingestion. At this time urine alcohol levels are typically approximately 1.3 times greater than the corresponding blood alcohol concentration. This ratio is only valid during the elimination phase which occurs after the blood alcohol level has peaked and is decreasing.

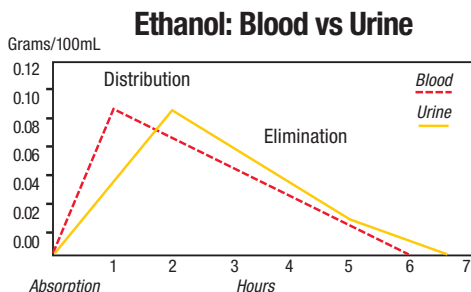
Alcohol may be detected in the urine for 1 to 2 hours longer than it is detected in the blood.

Urine Alcohol Testing

When urine is used as a specimen for alcohol testing, employers and MROs should consider the following points:

Alcohol levels in blood and urine after drinking

- When a subject uses alcohol the level in the bloodstream rises during the absorptive phase (the period in which alcohol is being absorbed from the intestine), plateaus during the distribution phase (during which ethanol is equilibrating with tissue) and falls during the elimination phase (the time in which the kidneys are excreting ethanol into the urine).



- During the elimination phase the average person eliminates approximately .015 to .02 g/100 mL per hour (equivalent to one beer per hour).

- During the elimination phase the urine alcohol level is approximately 1.3 times the corresponding blood alcohol level. Thus, the fact can be firmly established that the subject stopped drinking and was in the elimination phase at the time the urine specimen was collected. Therefore, it may be possible to use a urine alcohol level to calculate the corresponding blood alcohol level and the degree of intoxication. At other times it is impossible to correlate the urine alcohol concentration with the blood concentration.

- Regardless of which phase the subject is in, the blood alcohol level is considered, by both the legal system and the scientific community, to be an indicator of the degree of impairment or intoxication at the time the specimen was obtained.

Specimen collection for urine alcohol

- A **random** urine specimen (such as those collected for workplace drug testing) reflects the average alcohol concentration for the time period during which the urine collected in the subject's bladder. Therefore, even if the subject is in the elimination phase, the ethanol concentration in a random urine specimen does not always reflect the subject's current blood alcohol concentration.

- A **two-step urine collection** can give a result that correlates with the blood alcohol level. In a two-step collection the collector asks the subject to void completely and subsequently discards the first urine collection. Next, the collector obtains a second specimen 20 to 30 minutes after the first one and submits the second specimen to the lab. The alcohol concentration in the second specimen represents the urine alcohol concentration during the narrow 20 to 30 minute time period during which the urine formed in the subject's bladder. If the subject is known to be in the elimination phase, the alcohol concentration of the second urine specimen should be approximately 1.3 times the corresponding blood alcohol level. Two-step collections are impractical for workplace forensic urine drug testing and they are rarely done.

Positive urine ethanol from a subject who was not drinking

One drawback to urine alcohol testing is that it is possible to have production of ethanol in the specimen

from a subject who did not consume ethanol. This phenomenon is uncommon yet it can occur if all three of the following conditions are present:

- The urine must contain glucose (subject is diabetic).
- The urine must be infected with certain microorganisms, such as yeast or bacteria.
- The urine must be stored at room temperature without a preservative for one day or more prior to analysis. (This is the usual situation for urine specimens shipped to the lab for workplace drug testing.)

Conclusions

- Random urine specimens, such as those collected for workplace drug testing, do not always indicate the corresponding blood alcohol level and therefore cannot be used to indicate unequivocally whether the subject was impaired or intoxicated at the time the specimen was taken.
- Two-step urine collections can indicate the corresponding blood alcohol concentration, but the collection procedure is impractical for workplace urine drug testing.
- If a urine ethanol result is positive the MRO should always question whether the subject is diabetic and whether the subject may suffer from a vaginal or urinary tract infection. Microorganisms present in urine under these conditions can metabolize into ethanol.
- Assuming that the subject is not diabetic and does not suffer from a vaginal or urinary tract infection, a positive urine alcohol result (>0.02 g/100 mL) on a random specimen, indicates that the subject consumed ethanol in the time period prior to giving the specimen, but does not prove that the subject was impaired or intoxicated.
- For post-accident or reasonable suspicion testing, or any situation in which test results maybe used for legal or employment purposes, urine alcohol testing is not recommended. In such cases, ethanol testing using blood, saliva, or breath – all of which can give defensible results – is preferred.

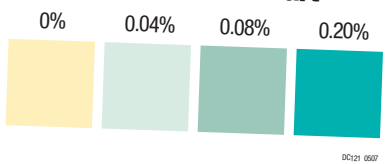
For use with adulterant test strips

Adulteration Color Comparison Chart			
Test Strip	Test Reading Time	Abnormal (Low)	Normal
Oxidants (OX)	30 seconds	Negative	Positive
Specific Gravity (SG)	45 seconds	1.000	1.005 1.015 1.025
pH	Immediate	2 3 4 5 7 9	+

Four-panel adulterant test strips available (special order)

ADULTERATION COLOR COMPARISON CHART			
	ABNORMAL (LOW)	NORMAL	ABNORMAL (HIGH)
Creatinine (CR)	Negative	20 50 100 200 mg/dl	+
Nitrite (NT)	Negative	0 0.1-0.2 0.5-0.9	+
pH	2 3 4 5 7 9		+
Specific Gravity (SG)	1.000	1.005 1.015 1.025	+

Alcohol Color Chart



For use with alcohol test strips



Example: Negative (0%) ALC



Example: Positive (0.20%) ALC

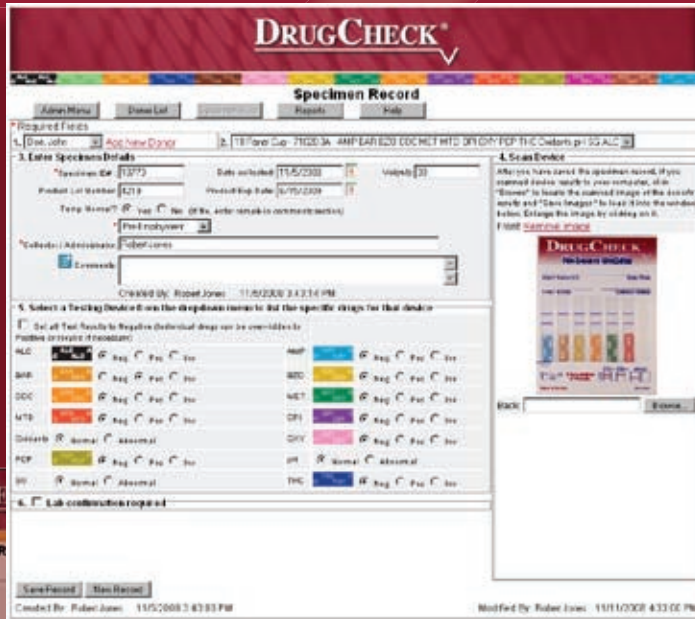
Read ALC results between 2 and 5 minutes
(Drug results at 5 minutes)

NEW!

DRUGCHECK[®] Online Management System

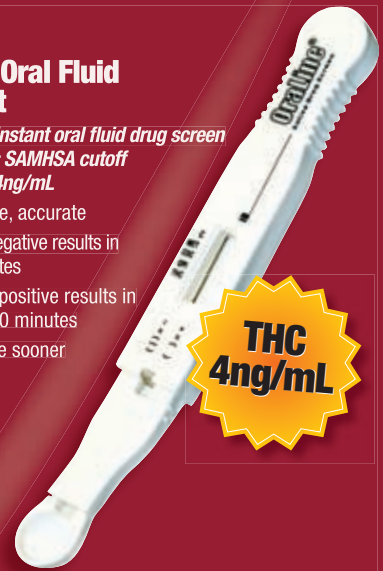
DrugCheck[®] OMS

- Simplify record-keeping in one secure, permanent location
- Upload and store scanned images of test strip results
- Easily access results and records from any computer or device with Internet access
- Generate reports
- Email or print reports and specimen records



OraLine[®] Oral Fluid Drug Test

- The **ONLY** instant oral fluid drug screen that meets SAMHSA cutoff for THC – 4ng/mL
- Fast, simple, accurate
- Indicates negative results in 3 to 5 minutes
- Presumed positive results in less than 10 minutes
- Detects use sooner and longer



THC 4ng/mL

ExpressCheck[®] Saliva Alcohol

- Easy to use
- Gender-neutral, observed collection
- Results in 2 minutes
- Indicates recent alcohol usage
- Easy-to-read interpretation chart

EXPRESS CHECK Saliva Alcohol Screening Test

For approximate blood alcohol concentration (BAC)

Do not place anything in mouth for at least 10 minutes prior to testing!

1. Tear open the pouch and saturate the reactive pad on the end of stick with saliva in mouth or cup for 10 seconds.
2. Remove stick from mouth or cup.
3. After exactly 2 minutes, match the color on the pad to color chart (below).

Interpretation

Negative No color change on reactive pad
Positive Reactive pad changes color in 2 minutes

0.0	0.02	0.08	0.30
0.0%	0.02%	0.08%	0.30% BAC

Lot number:
 Use before:
 Store in cool place (2 - 30°C)
 Warning: Please read the detailed instructions before use.
 Manufactured by Express Diagnostics Inc. www.express-check.com

AlcoMate Prestige[®] Breath Alcohol Detector

- Simple one-button operation
- Digital results in seconds
- Professional grade
- Advanced semiconductor-oxide sensor



Express Check[®] Breath Alcohol Screen

- Pass/fail design detects alcohol at specific threshold levels
- Available in four threshold levels: .02, .04, .05 and .08
- Compact, plastic tube construction allows test to be carried anywhere



QED A150



Express Check[®] Pipette Test



Oralert[®] Oral Fluid Drug Test

Cost-Effective Support Products

Adulterant Tests

- Cups
- Beakers and vials
- Gloves
- Security/biohazard bags
- Mouthpieces (for AlcoMate Pro[™] & Prestige[™])
- Clinical controls
- Adulterant tests



Collection Kits and Cups

EXPRESS DIAGNOSTICS INT'L INC.

1550 Industrial Drive, Blue Earth, MN 56013
 Toll free 888-466-8433 or 1-507-526-3951 drugcheck.com

Made in the U.S.A.

